

*Sub E*

*D1 cont*

21. A portable communications device comprising:  
a device housing;  
a wireless receiver within the housing that receives  
image data;  
an active matrix liquid crystal display, the display  
having an active matrix circuit including an array of  
transistor circuits and an array of pixel electrodes such  
that the active matrix circuit is bonded to an optically  
transmissive substrate with an adhesive layer;  
a display driver circuit connected to the wireless  
receiver;  
a lens that enlarges an image displayed on the  
display for viewing by a user; and  
a display control panel on the device housing.

22. The device of Claim 21 wherein the active matrix liquid  
crystal display and the lens are positioned within a display  
module attached to the device housing.

23. The device of Claim 22 wherein the display module rotates  
relative to the device housing.

24. The device of Claim 21 wherein the device housing comprises  
a head mounted support.

25. The device of Claim 21 wherein the active matrix liquid  
crystal display comprises a video display.

26. The device of Claim 21 wherein the display has an array of  
at least 640 x 480 pixel electrodes.

27. The device of Claim 21 further comprising a cholesteric  
liquid crystal element along an optical path between the  
display and the lens.

Sub H-3

28. The device of Claim 21 further comprising a video processing circuit within the housing.

29. The device of Claim 21 further comprising a port for receiving a memory card.

D1  
Cont

30. The device of ~~Claim 21~~ further comprising a battery within the device housing.

31. The device of ~~Claim 21~~ further comprising a backlight for the active matrix display.

Sub I-3

32. The device of Claim 31 wherein the backlight comprises red, green and blue light sources.

Sub H-4

33. The device of Claim 21 further comprising a modem within the device housing.

Sub I-4

34. The device of Claim 21 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.

Sub H-5

35. The device of Claim 21 wherein the display module comprises a reflector around the backlight.

36. The device of Claim 21 wherein the display has a diagonal length of 0.7 inches or less.

37. The device of Claim 21 further comprising a central processing unit within the device housing.

Sub H-6

38. The device of Claim 22 further comprising a flexible ribbon cable connecting the device housing and the display module.

39. The device of Claim 21 wherein the active matrix display and the lens are on a single optical axis.

40. A portable wireless telephone comprising:  
a telephone housing;  
a wireless receiver within the housing that receives audio and image data;  
an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;  
a display driver circuit connected to the wireless receiver;  
a lens that enlarges an image displayed on the display for viewing by a user; and  
a display control panel on the device housing.

41. The device of Claim 40 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the device housing.

42. The device of Claim 41 wherein the display module rotates relative to the device housing.

43. The device of Claim 40 wherein the housing comprises a head mounted support.

44. The device of Claim 40 wherein the active matrix liquid crystal display comprises a video display.

45. The device of Claim 40 wherein the display has an array of at least 640 x 480 pixel electrodes.

46. ~~The device of Claim 40 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.~~

47. The device of Claim 40 further comprising a video processing circuit within the housing.

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Cont*

48. The device of Claim 40 further comprising a port for receiving a memory card.

49. The device of ~~Claim 40~~ further comprising a battery within the device housing.

*Sub H-10*

50. ~~The device of Claim 40 further comprising a backlight for the active matrix display.~~

51. The device of Claim 50 wherein the backlight comprises red, green and blue light sources.

*Sub E3*

52. The device of Claim 40 further comprising a modem within the device housing.

*Sub H-12*

53. ~~The device of Claim 40 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.~~

54. The device of Claim 41 wherein the display module comprises a reflector around the backlight.

55. The device of Claim 40 wherein the display has a diagonal length of 0.7 inches or less.

*Sub E4*

56. The device of Claim 40 further comprising a central processing unit within the device housing.

*Sub P*  
57. The device of Claim 41 further comprising a flexible ribbon cable connecting the device housing and the display module.

*Sub H-14*  
58. The device of Claim 40 wherein the active matrix display and the lens are on a single optical axis.

*D1 Cont*  
59. A method of viewing an image with a portable communications device comprising:

providing a device housing enclosing a wireless receiver;

providing an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;

operating a display control panel on the device housing to display an image, the control panel being connected to a display driver circuit and the wireless receiver; and viewing through a lens an enlarged image displayed on the display.

60. The method of Claim 60 further comprising providing the active matrix liquid crystal display and lens are positioned within a display module attached to the device housing.

61. The method of Claim 60 further comprising rotating the display module relative to the device housing.

62. The method of Claim 59 further comprising mounting the device housing on a head mounted support.

63. The method of Claim 59 further comprising displaying a video display.

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64. The method of Claim 59 further comprising providing a display with an array of at least 640 x 480 pixel electrodes.

65. The method of Claim 59 further comprising providing a video processing circuit within the housing.

66. The method of Claim 59 further comprising providing a port in the housing for receiving a memory card.

67. The method of Claim 59 further comprising providing a battery within the device housing.

68. The method of Claim 59 further comprising providing a backlight for the active matrix display.

69. The method of Claim 59 further comprising providing a modem within the device housing.

70. The method of Claim 59 further comprising providing the array of transistors formed with a silicon-on-insulator (SOI) structure.

Respectfully submitted,



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Dated: May 16, 1997